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What is claimed is:

- 1. A process, comprising
 - a) mixing particles with a curable composition; and
 - b) curing said curable composition, prior to the particles substantially swelling, to form said thermoformable sheet.
- 2. The process of claim 1 wherein said particles comprise a polyacrylate polymer.
- 3. The process of any one of claims 1-2 wherein said curable composition comprises an unsaturated material whereupon contact with said particles causes the particles to swell.
- 4. The process of any one of claims 1-3 wherein said thermoformable sheet comprises said particles that have a Young's modulus higher than the Young's modulus of said cured composition.
- 5. The process of any one of claims 1-4 wherein said thermoformable sheet forms a textured surface upon thermoforming.
- 6. The process of any one of claims 1-5 wherein said thermoformable sheet has a top surface that is substantially opposite a bottom surface, wherein said top surface does not contact the mold during thermoforming, and said top surface of the thermoformable sheet has a higher gloss than the gloss of said top surface after thermoforming.
- 7. The process of any one of claims 1-6 wherein said thermoformable sheet has a top surface that is substantially opposite a bottom surface, wherein greater than 50% of the particles are present in an area defined by said top surface and a parallel plane equidistant from said top surface and said bottom surface.
- 8. The process of any one of claims 1-7 wherein said thermoformable sheet has a top surface that is substantially opposite a bottom surface, wherein greater than 95% of the particles are present in an area defined by said top surface and a

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parallel plane positioned between said top surface and said bottom surface at a distance that is five times closer to said bottom surface than said top surface.

- 9. The process of any one of claims 1-8 wherein at least 80% of said particles have a Young's modulus greater than 400,000 Psi.
- 10. The process of any one of claims 1-9 wherein said particles have an average diameter of between 150°m and 590°m.
- 11. The process of any one of claims 1-10 wherein the thermoformable sheet comprises between 0.1-5 wt% particles.
- 12. The process of any one of claims 1-11 wherein said particles are dispersed in a carrier prior to mixing.
- 13. The process of any one of claims 1-12 wherein said curing is initiated within 5 minutes of said mixing.
- 14. A thermoformable acrylic sheet having a top surface and an opposing bottom surface comprising:
 - a) particles; and
 - b) an acrylic matrix, wherein greater than 50% of said particles are present in an area defined by said top surface and a parallel plane substantially equidistant from said top and bottom surfaces.
- 15. The sheet of claim 14 wherein greater than 95% of the particles are present in an area defined by said top surface and a parallel plane positioned between said top surface and said bottom surface at a distance that is five times closer to said bottom surface than said top surface.
- 16. The sheet of any one of claims 14-15 wherein at least 80% of said particles are substantially un-swollen.

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17. The sheet of any one of claims 14-16 wherein said particles have an average diameter of between 150°m and 590°m.

- 18. An article formed from the sheet according to any one of claims 14-17 wherein said top surface comprises between 2-40 protrusions per square centimeter.
- 19. The article of claim 18 wherein said top surface comprises protrusions that extend between 0.8 to 0.14mm above the surface on average.
- 20. The article of any one of claims 18-19 wherein said top surface comprises protrusions that have an average diameter of between 0.8 to 1.2 mm.